

## DEP's Food Waste Density Mapping Project

Organics Summit Presentation  
March 18, 2003

## Project Overview

- Two primary components
  - Estimates of food waste generation
  - Generator database to enable customized GIS querying & mapping
- Covers nearly 6,000 food waste generators
  - Does not try to count small generators
- Estimated 880,000 tons/year of food waste

## Major Generator Categories

Generator Category	# Businesses	Total Generation (Tons)	Tons/Business
Manufacturers /Processors	727	494,000	656
Supermarkets/ Grocery Stores	572	98,000	171
Colleges/ Universities	101	25,000	242
Restaurants	3,320	168,000	51

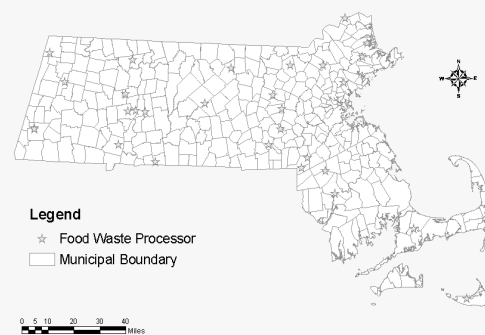
## Querying/Mapping Capabilities

- Can query & map on any combination of generator data and GIS features, such as
  - Business type or size
  - Business name (e.g., all locations of a particular company)
  - Distance from a particular point (e.g. processor, highway junction, municipality, etc.)
  - Whether composting or not (data needs to be developed)

## Sample Map #1

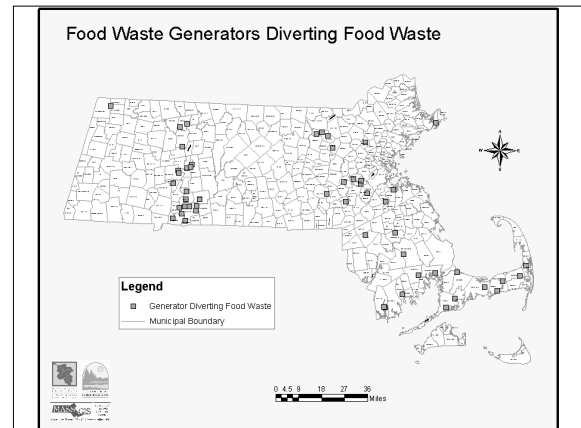
- Shows statewide distribution of processors
- 26 of 29 processors permitted for 15 TPD or less

### Food Waste Processors in Massachusetts



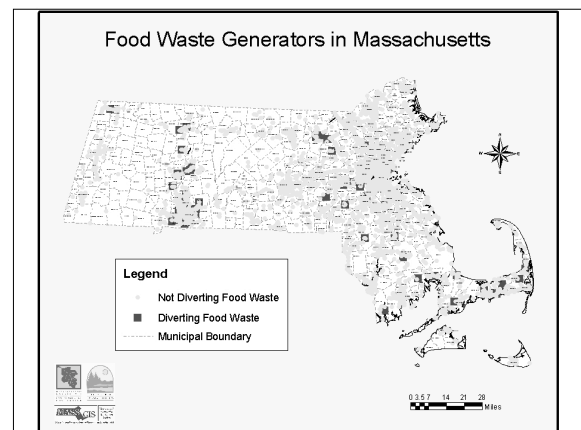
## Sample Map #2

- Shows all generators currently diverting food waste
- Based on limited information currently available



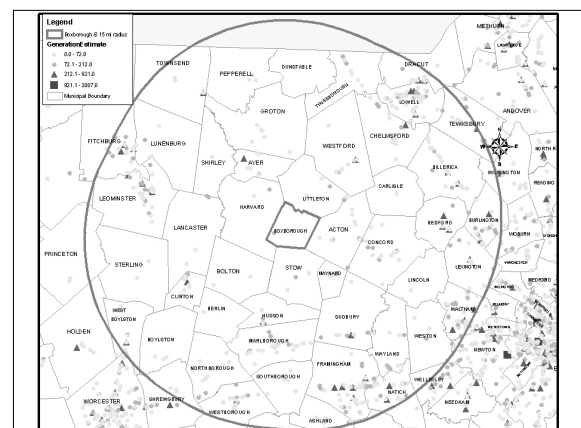
## Sample Map #3

- Shows all generators statewide – indicates whether diverting or not (if known)
- Simple bare-bones version, but can do many other combinations of data



## Sample Map #4: Boxborough Area Generators

- Shows all food waste generators within 15 miles of Boxborough
- Shows how can manipulate scale and scope of GIS maps & query for specific data sets
- Also uses key to show generators producing different amounts of food waste
- Can also show the same data without the map



## Colleges/Universities Within A 15-Mile Radius of Boxborough

Name	Address	Town	State	Zip Code	Estimated Generation (tons/yr.)
Andover Newton Theological School	210 Herrick Road	Newton	MA	02459	28
Assumption College	900 Salisbury Street	Worcester	MA	01615	195
Atlantic Union College	PO Box 1000, Main Street	Leicester	MA	01523	54
Babson College	Babson Park	Wellesley	MA	02457	241
Becker College	81 Sever Street	Worcester	MA	01609	83
Bentley College	175 Forest Ave	Waltham	MA	02452	406
Boston College	St. Clements Hall 123	Brookline	MA	02135	1,080
Brandeis University	415 South State Street, PO Box 9110	Waltham	MA	02453	337
Clark University	950 Main Street	Worcester	MA	01610	208
Fitchburg State College	160 Pearl Street	Fitchburg	MA	01420	405
Framingham State College	100 State Street	Framingham	MA	01701	408
Hebrew College	160 Herrick Road	Newton	MA	02459	7
Holy Cross College	One College Street	Worcester	MA	01610	200
Lasell College	1844 Commonwealth Avenue	Newton	MA	02466	60
Mass Bay Community College	50 Oakland Street	Wellesley	MA	02481	84
Midwestern Community College	33 Keamney Square	Lowell	MA	01852	141
Mount Ida College	777 Dedham Street	Newton	MA	02459	85
Quinsigamond Community College	870 W Boylston Street	Worcester	MA	01606	106
Ross College	235 Wellesley St	Weymouth	MA	02463	81
University of Massachusetts- Lowell	1 University Ave	Lowell	MA	01854	864
University of Massachusetts- Lowell	1 University Ave	Lowell	MA	01854	921
Wellesley College	105 Central Street	Wellesley	MA	02181	162
Worcester Polytechnic Institute	100 Institute Road	Worcester	MA	01609	275
Worcester State College	486 Chandler Street	Worcester	MA	01602	376

## For More Information

- Report available at:  
[www.mass.gov/dep/bwp/dswm/dswmpubs.  
htm#other](http://www.mass.gov/dep/bwp/dswm/dswmpubs.htm#other)
- For more information, contact:  
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